

FIELD REPAIR PART INSTALLATION MANUAL

BRACKET KIT #S1-37323842001 and #S1-37323842002

FOR USE WITH GF8, G8C, UGA, AND P6UH SERIES FURNACES

APPLICATION

The accompanied brackets are designed for use with GF8, G8C, UGA, and P6UH furnaces. These brackets are used to eliminate the air leakage around the vestibule panel at the burner box and prevent roll out switch nuisance tripping. Please follow the instructions below as a guideline for installing the brackets.

There are two kits available. Kit #S1-37323842001 is for the 50,000 to 100,000 input models. Kit #S1-37323842002 is for the 125,000 and 150,000 input models.

Kit #S1-37323842001 has the following parts:

- Bracket #176531 is installed on the left and right sides of the vestibule panel burner box. The brackets are 2.95" in length and are used on all the models. The brackets must be installed as shown in Steps 14 and 15.
- Bracket #176533 is installed on the top and bottom of the vestibule panel burner box. The brackets are 9.85" in length and are used on the 50,000 input models. The brackets must be installed as shown in Steps 8, 9, 10, 11, 12, 13, and 16.
- Bracket #176534 is installed on the top and bottom of the vestibule panel burner box. The brackets are 9.80" in length and are used on the 75,000 input models. The brackets must be installed as shown in Steps 8, 9, 10, 11, 12, 13, and 16.
- Bracket #176532 is installed on the top and bottom of the vestibule panel burner box. The brackets are 12.80" in length and are used on the 100,000 input models. The brackets must be installed as shown in Steps 8, 9, 10, 11, 12, 13, and 16.
- Limit Gasket #176531 is installed on the backside of the limit control. The limit gasket is used on all models. The limit gasket must be installed as shown in Steps 17, 18, and 19.

Kit #S1-37323842002 has the following parts:

- Bracket #176531 is installed on the left and right sides of the vestibule panel burner box. The brackets are 2.95" in length and are used on all the models. The brackets must be installed as shown in Steps 14 and 15.
- Bracket #176490 is installed on the top and bottom of the vestibule panel burner box. The brackets are 15.85" in length and are used on the 125,000 input models. The brackets must be installed as shown in Steps 8, 9, 10, 11, 12, 13, and 16.

- Bracket #176489 is installed on the top and bottom of the vestibule panel burner box. The brackets are 18.85" in length and are used on the 150,000 input models. The brackets must be installed as shown in Steps 8, 9, 10, 11, 12, 13, and 16.

- Limit Gasket #176531 is installed on the backside of the limit control. The limit gasket is used on all models. The limit gasket must be installed as shown in Steps 17, 18, and 19.

WARNING

Improper installation may create a condition where the operation of the product could cause personal injury or property damage.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual for assistance, or for additional information, consult a qualified contractor, installer or service agency.

INSTALLATION

The brackets must be installed by a certified dealer or qualified service contractor.

Following section contains pictures and step by step instructions to help guide you through the installation of this kit.

WARNING

ELECTRIC SHOCK, FIRE OR EXPLOSION HAZARD.
Failure to follow safety warnings exactly could result in dangerous operation, serious injury, death or property damage.

Improper servicing could result in dangerous operation, serious injury, and death or property damage.

- Before installing the brackets, disconnect all electrical power to the furnace.
- Label all wires prior to disconnecting. Reconnect wires correctly.
- Verify proper operation after installing the brackets.

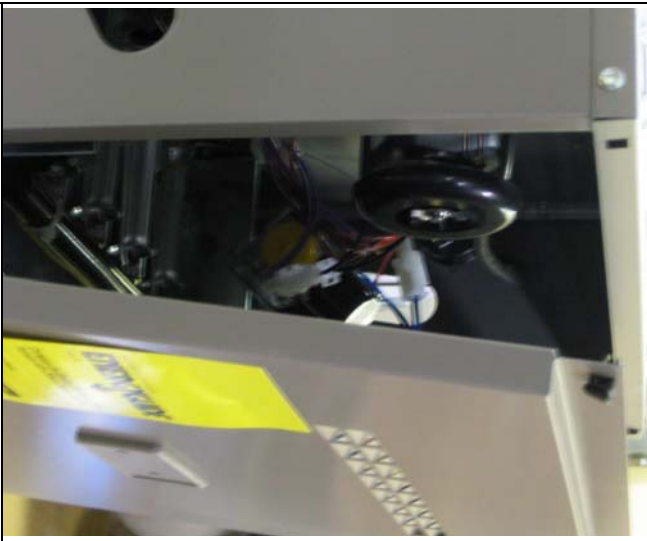
WARNING

Before proceeding, be sure the area is well ventilated. Turn the thermostat OFF. If the blower is running, wait until it stops automatically. Turn OFF the gas and electrical power supplies to the furnace. Check all metal parts and surfaces to be sure they have cooled to room temperature before you begin.

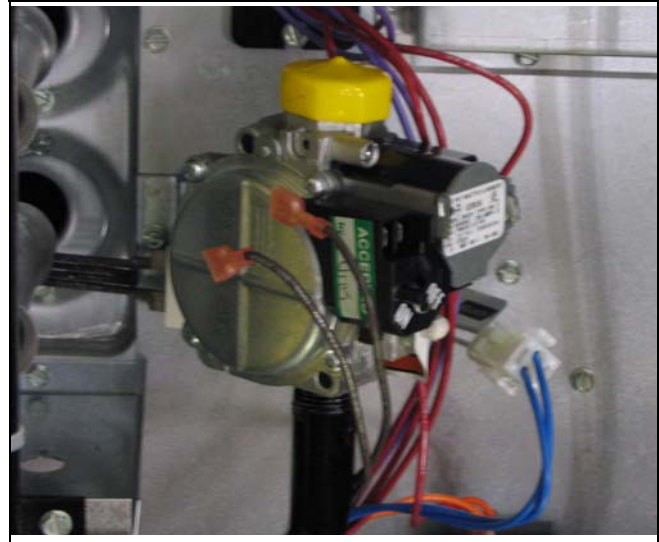
Before proceeding with the installation of the brackets, refer to the Startup and Shutdown instructions on page 8. Follow these instructions to make sure the furnace has been properly shutdown and is safe to work on.



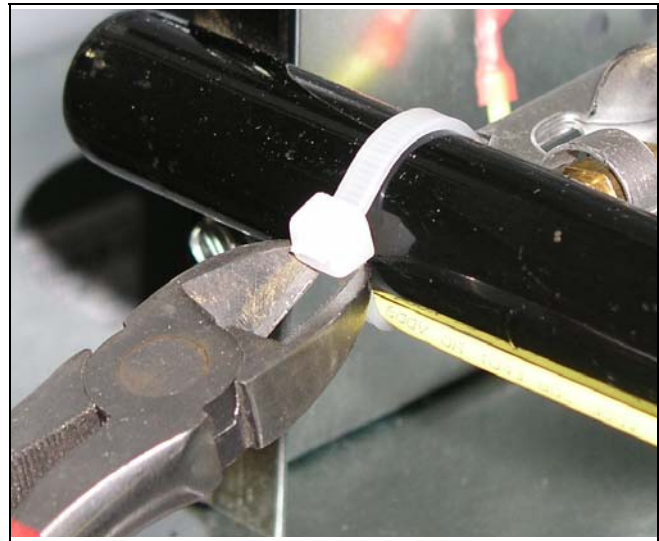
Step 1: Open the box and inspect the parts. Be sure the kit has the correct brackets for the furnace model.



Step 2: Open the front door to gain access to the burner compartment.



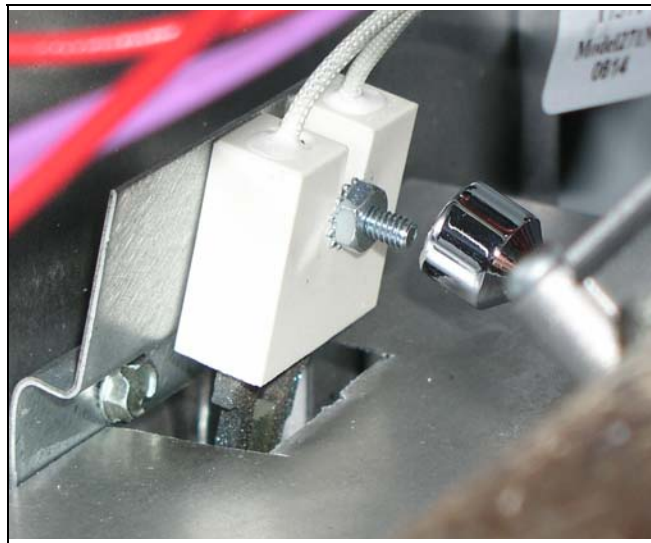
Step 3: Remove the electrical wires from the gas valve.



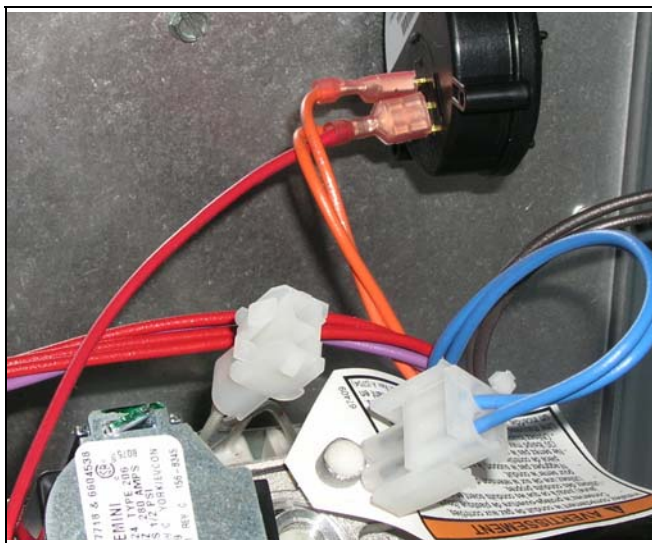
Step 4: Remove the wire ties that secure the sensor wire to the burner manifold. Be careful not to cut the sensor wire.



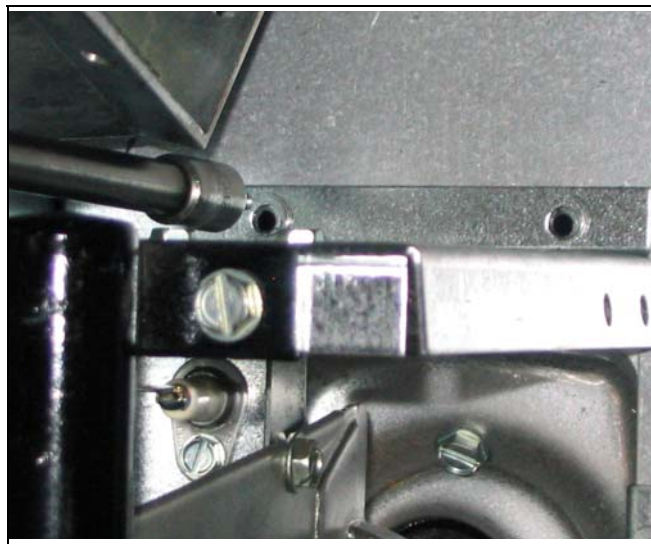
Step 5: Remove the sensor wire from the sensor.



Step 7: Remove the screw that secures the ignitor to the bracket and remove the ignitor. Be extra careful not to touch the ignitor to any surface. The ignitor is fragile and may be easily broken.



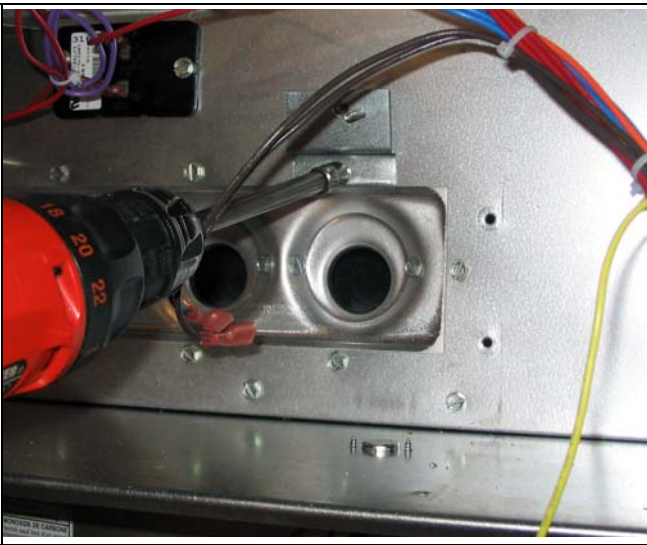
Step 6: Unplug the ignitor wire.



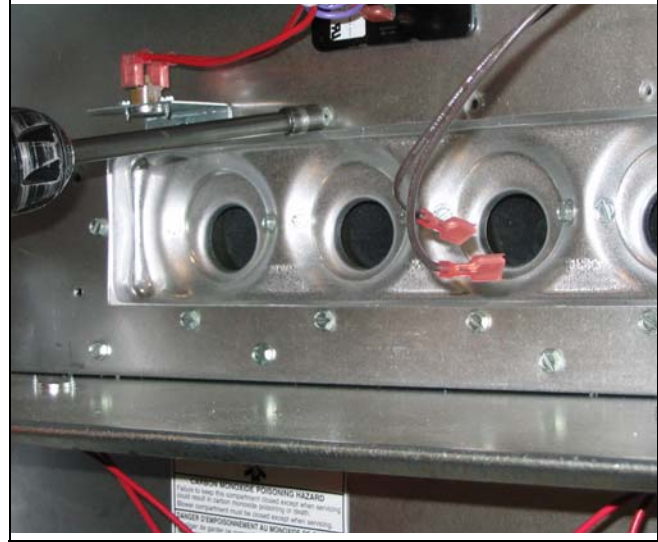
Step 8: Remove the screws that secure the left and right sides of the burner housing to the vestibule panel.



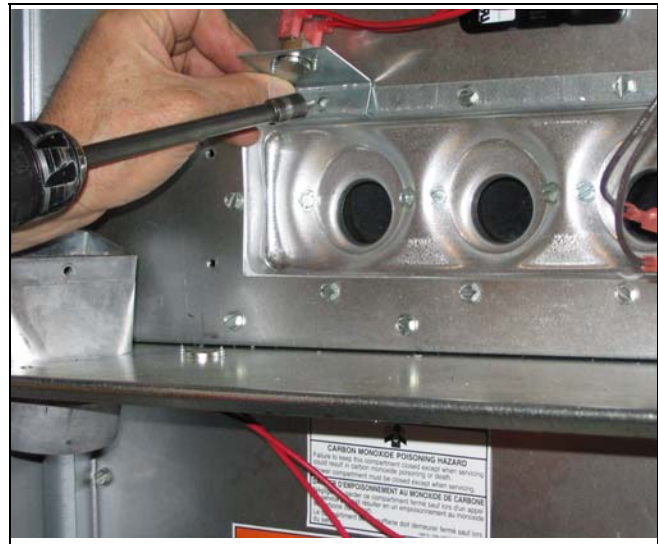
Step 9: Remove the screws on the left and right sides at the bottom that secure the burner housing to the fan deck and remove the burner assembly.



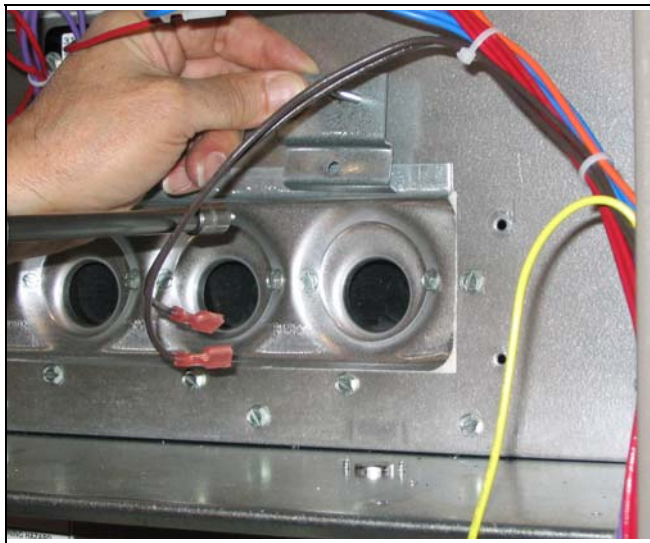
Step 10: Remove the screw that secures the ignitor bracket to the vestibule panel.



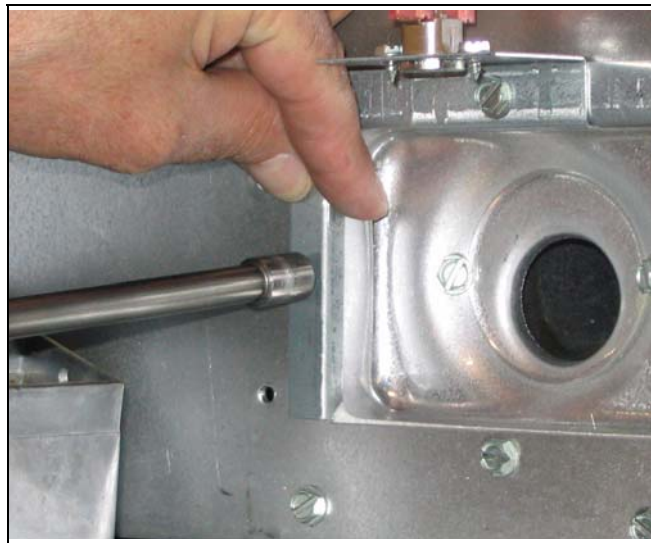
Step 11: Remove the screw that secures the rollout switch bracket to the vestibule panel and the two screws to the right of the rollout bracket.



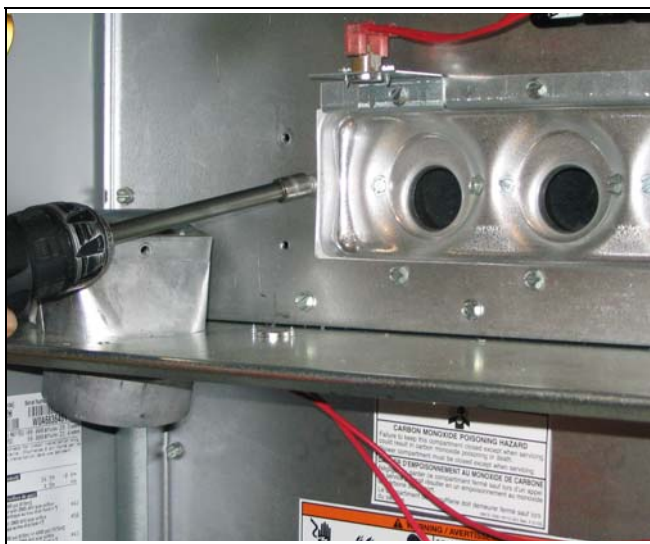
Step 12: Install the angle bracket and secure to the vestibule panel with the screws that were removed. Secure the rollout switch bracket to the vestibule panel with the screw that was removed.



Step 13: Install the rollout bracket and secure to the vestibule panel with the screws that were removed.



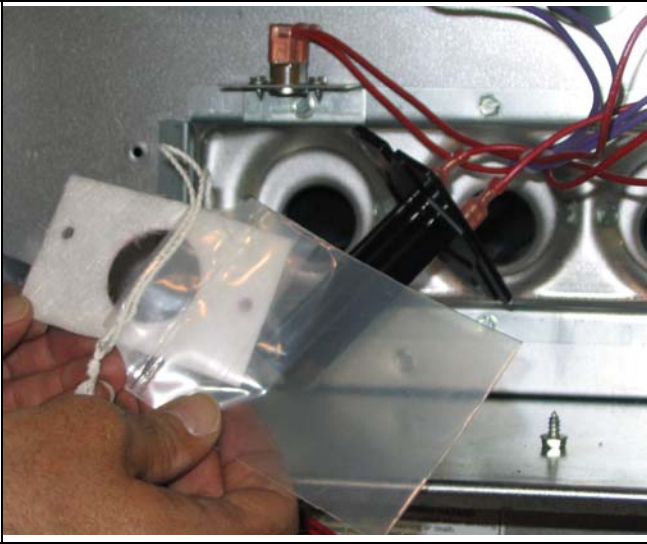
Step 15: Install the angle brackets on the left and right side of the vestibule panel burner box. Secure to the vestibule panel using the screws that were removed.



Step 14: Remove the screws on the left and right side of the vestibule panel burner box.



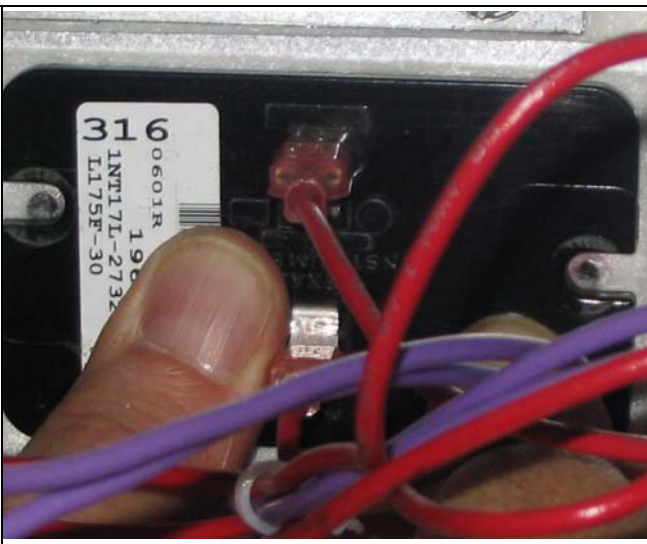
Step 16: Install the angle bracket on the bottom of the vestibule panel burner box. Secure to the vestibule panel using the screws that were removed.



Step 17: Remove the limit gasket from the plastic bag and install on the back side of the limit control.



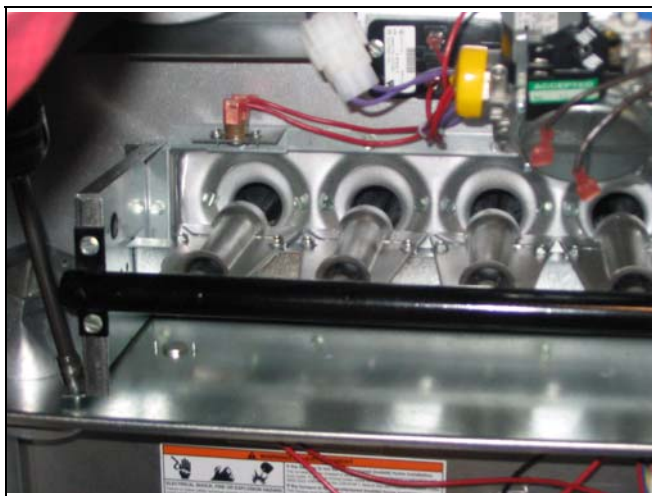
Step 19: Secure the limit control to the vestibule panel with the screws that were removed.



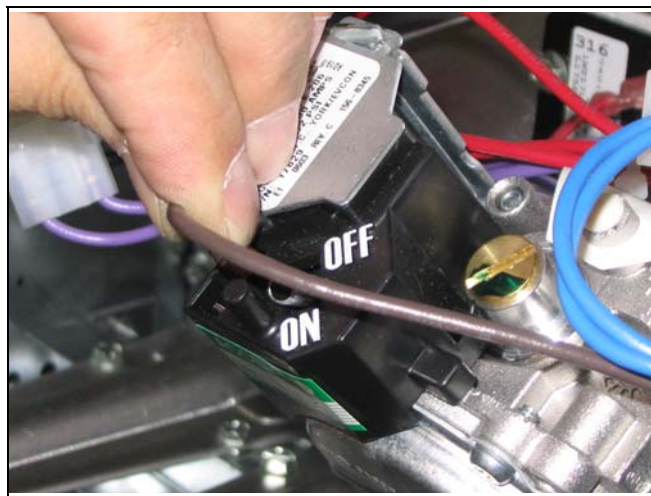
Step 18: The limit gasket must be between the vestibule panel and the limit control.



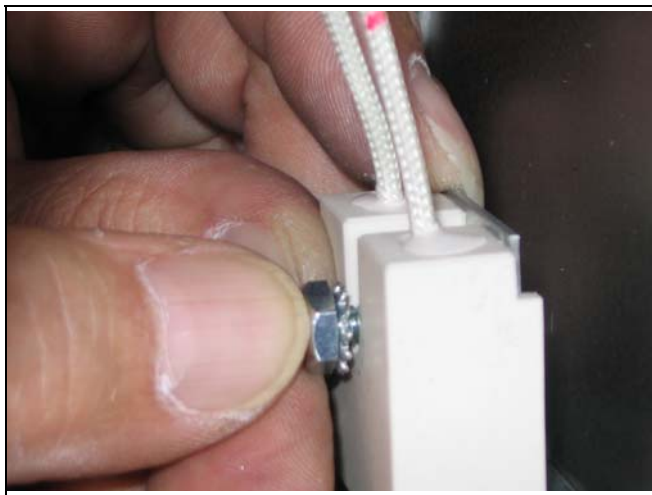
Step 20: Reinstall the burner assembly to the vestibule panel with the screws that were removed.



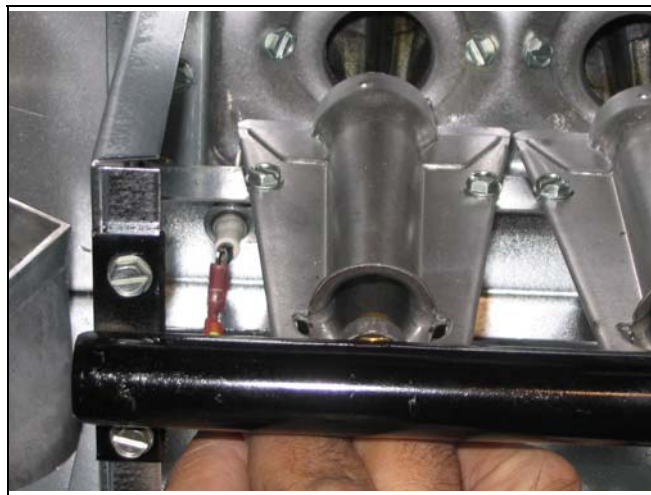
Step 21: Reinstall the bottom burner assembly screws to the fan deck with the screws that were removed.



Step 24: Reconnect the electrical wires to the gas valve terminals.



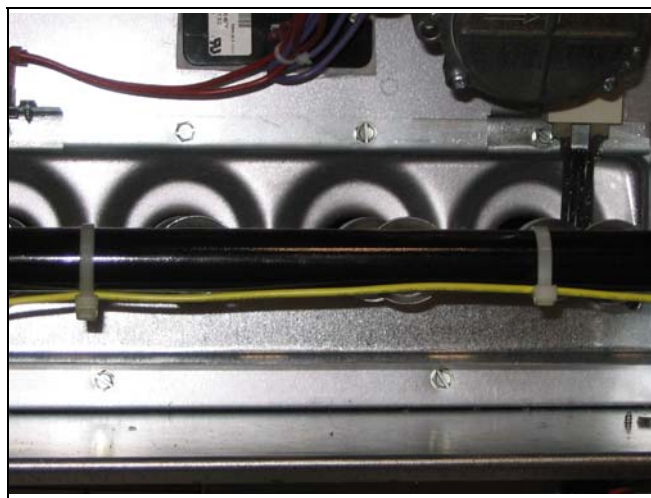
Step 22: Reinstall the ignitor with the nut that was removed. Be sure that the ignitor stop is seated against the bracket.



Step 25: Reconnect the sensor wire to the sensor terminal.



Step 23: Reconnect the ignitor electrical plug.



Step 26: Replace the wire ties that secure the sensor wire to the gas manifold. Be sure to cut off the excess tie material.

START-UP AND SHUTDOWN INSTRUCTIONS

Read the Instructions Below Before Trying to Start the Furnace

WARNING

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury, and/or loss of life.

- A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B. BEFORE OPERATING; smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- C. Use only your hand to push the gas control switch to the "on" position. Never use tools. If the switch will not operate by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control, which has been under water.

Operating Instructions:

1. STOP! Read the safety information above.
2. Set the thermostat to the lowest setting.
3. Turn off all electric power to the appliance.
4. Remove furnace door.
5. Move gas control switch to the "OFF" position. Do not force. See Figure 1.
6. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to next step.
7. Move gas control switch to the "ON" position. Do not force. See Figure 1.
8. Replace burner door.
9. Turn on all electric power to the appliance.
10. Set thermostat to the desired setting. Burner will light, which may take 30-60 seconds.
11. After three (3) trials for ignition, if the appliance will not operate follow the instructions, "TO TURN OFF THE APPLIANCE" and follow trouble shooting instructions as required.

To Turn Off the Appliance:

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Remove burner access panel.
4. Move gas control switch to the "OFF" position. See Figure 1.
5. Replace burner access panel.

WARNING

Should overheating occur, or the gas valve fail to shut off, turn the external manual gas valve in the gas supply line to the furnace to the "off" position and let the furnace cool off before shutting off the electrical power supply. Refer to Figure 5.

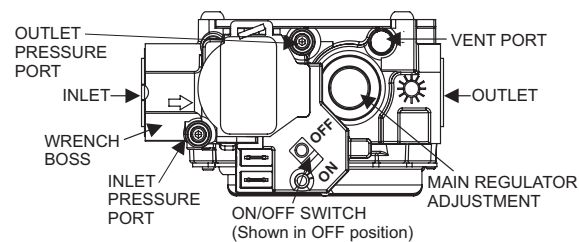


FIGURE 1: Gas Valve

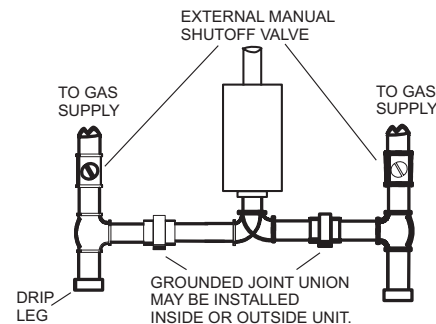


FIGURE 2: Gas Piping

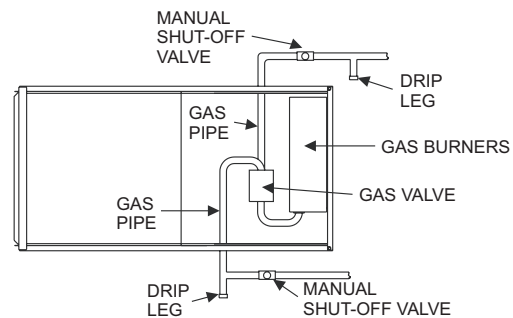


FIGURE 3: Horizontal Gas Piping